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FIG. 1

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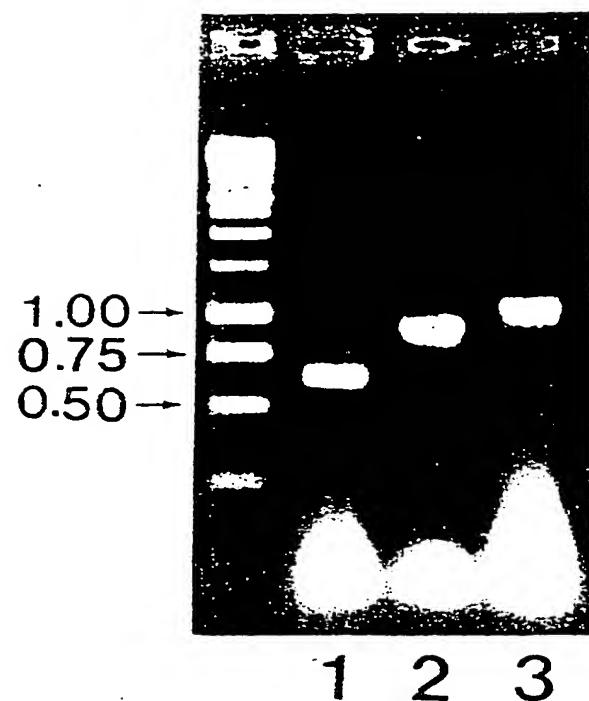


FIG. 2

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—
L Q Q R I V K L Q P L S E K. E L P M T T Q M S S G N T E S P E M R R D S
GAGCAGCAAGCCAACTGAGCTAACCCCTCTCACAGAGGAATTACCGATGACCACTCAAATGTCCTCCGGAAACACAGAAAGCCCAGAGATGGCAGCGACAGC
E Q H G N G E L R C M F T I N S I G R L C N Q M G E Y A T L F A L A R M
N G R L A F I P A S M H N A L A P I F R I S L P V L H S D T A K K I P W
AAGCGACGCCCTGGCTICAICCGGCACTTACCGGACACTTACCGGATACGGATACCGGATACCGGATACCGGATACCGGATACCGGATACCGGATACCGG
Q N Y H L N D W M E E R Y R H I P G H F V R F T G Y P C S W T F Y H H L
CAGAAATTACCACTCAACGACTGGTAAGGAGCCACATTCGGGACACTTGGGCTTCACGGATACCGGATACCGGATACCGGATACCGGATACCGGATACCGG
R P E I L K E F T L H D H V R E E A Q A F L R G L R V [N] G S Q P S T F V
CCCCAGAGAATCTGAAGGAGTCAACCGCTGGCATACCCCTGGCTCCGGCTCCGGCTCCGGCTCCGGCTCCGGCTCCGGCTCCGGCTCCGGCTCCGG
G V H V R R G D Y V H V M P N V W K G V V A D R G Y L E K A L D M F R A
GGCTATTCACTCCAGCTTGGTTACAAGGAAACCCATGGCCTGGCAACATTAATGGACCTTGGCTTACCTGGAAAGGGCCCTGGATACTTCCGGCA
R Y S S P V F V V T S N G M A W C R E N I [N] A S R C D Y V F A G N G I E
GGCTGGCCAGCCAAGGACTTGGCTTACCCAGCTGGCTACGACTTGGACCTTGGCTTACCTGGAAAGGGCCATGGTACCTGGCTTACCTGGAAAGGG
G. S P A K D F A L L T Q C [N] H T I M T I G T F C I W A A Y L A G G D T I I
TACITAGCCAACTAACCCCTTCCGGATTCGGCTTCAAGGAAACCCATGGCCTGGCAATGGCTTACCTGGCTTACCTGGCTTACCTGGCTTACCTGG
Y L A [N] Y T L P D S P F L K V F K P E A A F L P E W V G I P A D L S P L
CTTAAGGCCATTAAACCAAGCCAAAGGACTCAAGGAAACCCATGGCCTTACCTGGCTTACCTGGCTTACCTGGCTTACCTGGCTTACCTGGCTTACCTGG
L K A L T P A C P R S H F H L K A K G V T C Y V A G R A F

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Rat H35 cell FucT		LQQRIVKLQLPLSEKELPPMTIQMSSGNTESPEMRDSEQHQHNGEL	44
Human Sec2		MLWQWPFSPMAHFILFVFTVWSITIFHVQQLAKIQAMWELPVQIPVLASTSKALGPSQL	60
Rat H35 cell FucT		RGMFTTINSIGRLGNQNGEYATLFLALARMGRLAFTPASMHNALAPTFRISLSPVLHSDTAK	104
Human Sec2		RGMWTINAIGRLGNQNGEYATLYALAKMGRPAFIQAQMHSSTLAPTFRITLPVLHSATAS	120
Rat H35 cell FucT		KIPWQNYHLNDWMEERYRHIP-GHFVRF TGYPCSWTFYHHLRPEILKEFTLHDHVREEAQ	163
Human Sec2		RIPWQNYHLNDWMEERYRHIPPGYYRFTYHHLRQEILQEFTLHDHVREEAQ	180
Rat H35 cell FucT		AFLRGLRLWNGSOPSTFVGVHVRGDDVHMPWMLGVVAORGYLEKALDMFRARYSSPVF	223
Human Sec2		KFLRGLOVNGSRPGTFVGVHVRGDDVHMPWPKWMLGVVADRRYLQQALDWFRARYSSLIF	240
Rat H35 cell FucT		WTSNGMAWCRENIDASRGDVFGAGNCIEGSPAKDFALLTCQNHITIMITGTFGIWAAYLA	283
Human Sec2		WTSNGMAWCRENIDTSGDVFGAGDCIEGSPAKDFALLTCQNHITIMITGTFGIWAAYLA	300
Rat H35 cell FucT		GGDTIYLANYTLPDSPFLKVKPEAAFLPEWNGIPADLSPLLKALTIPACPRSHFHLKAKG	343
Human Sec2		GGDTIYLANYTLPDSPFLKIFKPEAAFLPEWTCIAADLSPLLK	
Rat H35 cell FucT		VTCYVAGRAF	

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FIG. 4

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M A S A Q V P F S F P L A H F L I F V F V T S T I I H
L Q Q R I V K L Q P L S E K E L P M T I Q M S S C N T E S P E M R R D S
G A C C A G C C A A T G C A A G C T C C A A C C C T G C A G G A G G A A T T A C C G A T G C C A A T C A C C A T C A T C C A C
E Q H G N G E L R G M F T I N S I G R L G N Q M G E Y A T L F A L A R M
A A C G G A C C G C T T C G G T I C A T G C A A C G C C A T C A G C A A C G C C A A T A C G C C A A C A C T C T T G C A C G G C A G G A T G C
N G R L A F I P A S M H N A L A P I F R I S L P V L H S D T A K K I P W
C A G A A T T A C C A T C A A C G G A C A T T C C G G C C A T T C C G G G A C A C T T I C G G C T T C A G G G A T A C C C G G C C A C C A C C C T G C
O N Y H L N D W M E E R Y R H I P G H F V R F T G Y P C S W T F Y H H L
R P E I L K E F T L H V R E E A Q A F L R G L R V N G S Q P S T F V
C G G C C C A G A G A T C T G A G G A C C T G A C C C T G C A G G A C C G G C C A G G C G G C G G C A G T A C T T I T G C
C V H V R R G D Y V H V M P N V W K G V V A D R G Y L E K A L D M F R A
C C G T C C A I G T C G G C C A G G G A C T A T G C C A I G T C A C C A A C C G G C T T A C C T G C G G A T A G T T C C G G G A
R Y S S P V F V V T S N G M A W C R E N I N A S R G D V V F A G N G I E
G S P A K D F A L L T Q C N H T I M T I G T F G I W A A Y L A G C O T I
T A C T T A G C C A A C T A C A C C C T I C C G G A T T A A G C I T T A G C A T T A G C C T T C A C C T G C C A G G C A T C G C C A C T C
Y L A N Y T L P D S P F L K V F K P E A A F L P E W V C I P A D L S P L
C T T A G G C A T T A C C A G G C T G C C C A C T T A C C T C A A A G G G A C T G T A C C T G C C A G G C A G C C T I C G G G A A
L K A L T P A C P R S H F H L K A K G V T C Y V A G R : A F

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FIG. 5

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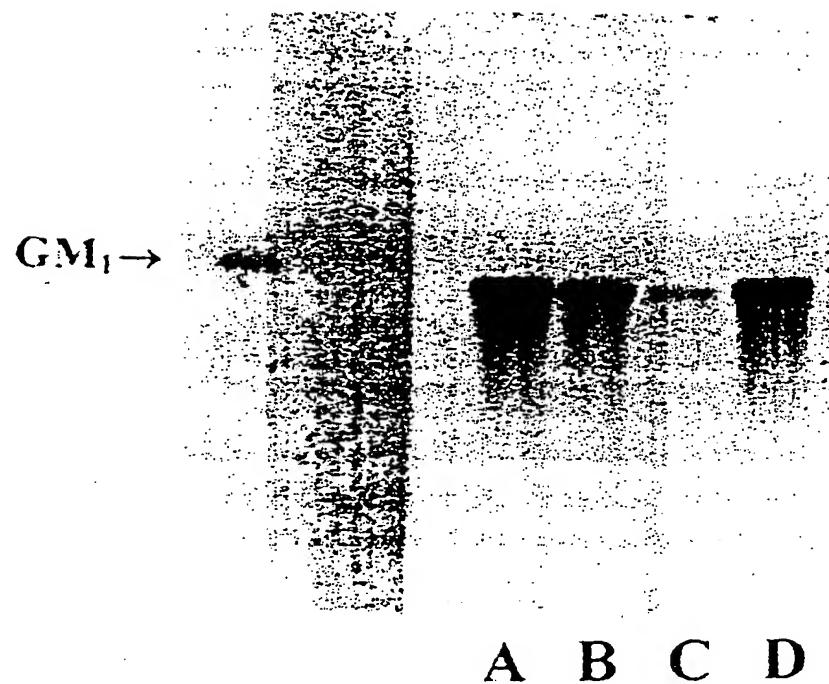


FIG. 6

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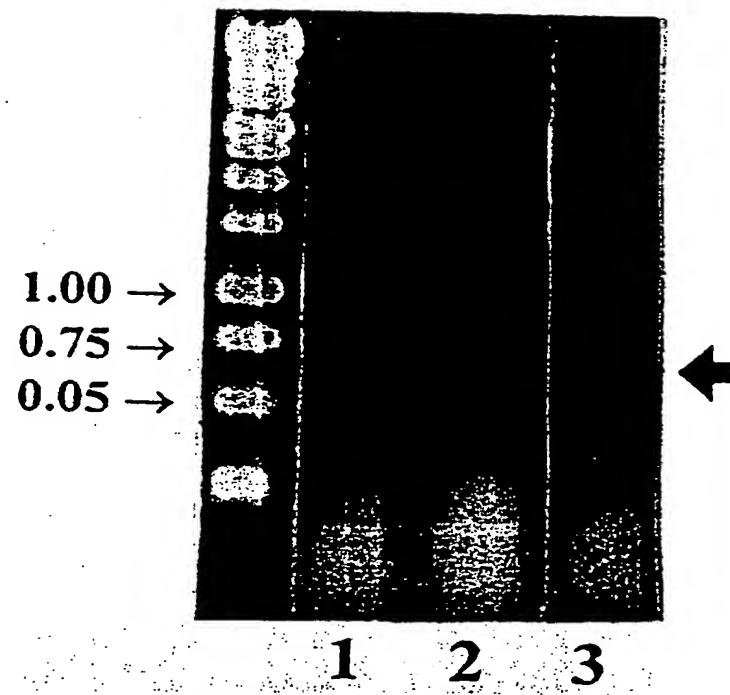


FIG. 7

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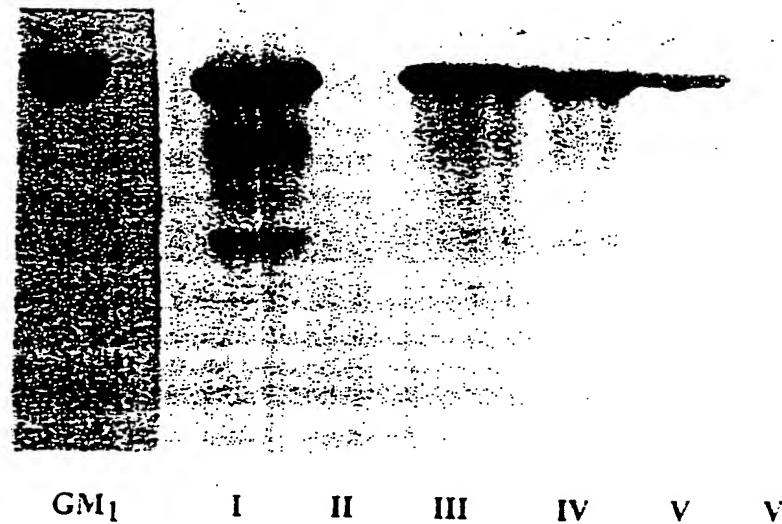


FIG. 8A

	<u>cpm - background</u>	<u>% initial activity</u>
I	19,832	100
II	0	0
III	6,726	34
IV	4,917	25
V	1,043	5.3
VI	104	0.52

FIG. 8B

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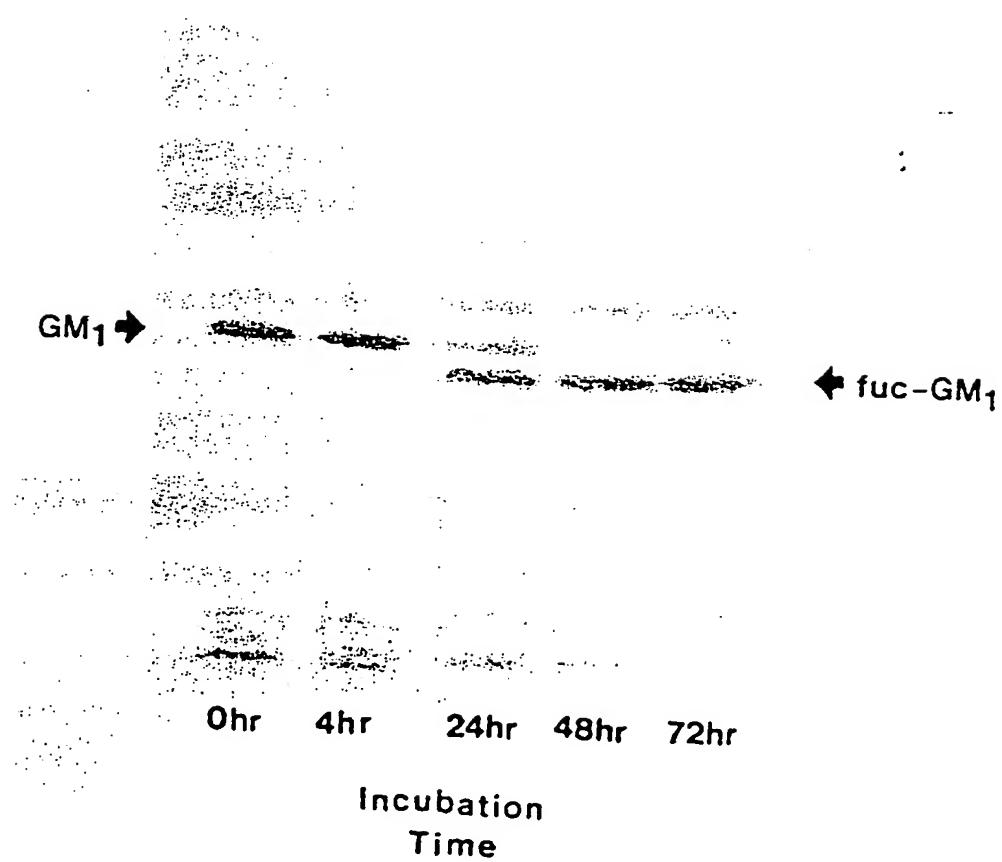


FIG. 9

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